



Summary

The VMAX[®] IP G4[™] is an NDA and TAA compliant, easy to use embedded PoE network video recorder (NVR) that allows you to go from power up to monitoring in minutes! Available with 4 Power over Ethernet (PoE) ports and expandable to 9 cameras, the NVRs can record and manage single-sensor IP cameras up to 4K resolution and comes with up to 16TB internal storage.

Features

- Complete installation, setup and camera configuration in minutes!
- CCIP[™] system encryption via TLS protects your surveillance system from out of network attacks
- Record and manage single-sensor IP cameras at real-time 30fps up to 4K
- Local power for up to 4 IP cameras via resident PoE switch
- DW Witness[™] turns a smartphone or tablet into a surveillance camera
- PathFinder[™] easy end-to-end remote connection with NAT Traversal (STUN/TURN) support
- Automatic device discovery
- Compatible with ONVIF cameras
- 0-16TB storage options
- Transfer real-time data using Real Time Streaming Protocol (RTSP)
- Snapshot Notify[™]: Interval camera image verification sent to an email
- Remote management with C3[™] CMS for Windows[®] and Mac[®]
- Event camera group recording
- System analysis with real-time system, PoE and network status monitoring
- Event notifications via email, text and push notifications
- Mobile Application for iOS[®] and Android[®] devices
- Dual-stream recording
- Easy drag and drop camera management
- Instant backup during playback
- True HD and VGA simultaneous output support
- Compatible with DW[®] Spot[™] Monitoring module for Public View Monitors
- 1 audio input, 1 audio output
- 4 sensor inputs, 1 relay output
- Advanced H.265/H.264 Linux embedded NVR
- NVR calculation and auto-recording configuration
- Screen saver to protect monitor screen
- Import/export configuration between multiple NVRs
- Auto or manual firmware upgrade available
- NDA/TAA compliant
- 5 year limited warranty

Dimensions

Unit: Inch (mm)



Specifications

VIDEO		
Operating system		Embedded Linux [®]
System	Channel	9 channel
	No. of PoE	4 Ch
	Max supported resolution	IP camera max. 4K (3840x2160)
	Communication protocol	ONVIF [™] profile S
PoE type	100Mbps, 802.3at	
	Speed	270fps
Display	Screen mode	1, 4 and 9
	Monitor	True HD and VGA
Video out	Resolution	3840x2160 (4K), 1920x1080, 1280x1024, 1024x768
	System operation	
PERFORMANCE		
Recording speed		Up to 270fps up to 4K (2160p) resolution
Max. throughput		40 Mbps
Recording streaming		Dual-stream
Recording modes		Continuous, scheduled, sensor and motion detection recording
		Pre- and post-alarm recording, emergency recording, quick backup
Playback and search	Speed	x1, x2, x4, x8, x16, x32, x64, x99
	Channel and resolution	1 and 4 main-stream, 9 & 16: sub-stream
	Function	Timeline, calendar (date and time), event search, thumbnail search, smart motion search
Audio input / output		1Ch input/1Ch output
Alarm input / relay output		4Ch inputs / 1Ch output
PTZ control		RS-485, ONVIF
Storage	HDD interface	1x SATA HDD
	Max. internal storage	Up to 16TB
	HDD healthcheck	Temperature, S.M.A.R.T. with email notifications Real-time temp alert
Transaction verification		Text-in Based (USB to Serial support, TCP/IP Network), Display POS Data on Live & Playback
NETWORK		
LAN		1,000Mbps Ethernet (RJ45)
Protocols		IPv4, TCP/IP, DHCP, HTTP, RTSP, STMP, FTP, Zero Configuration, NTP, DDNS
Access	Web viewer	Live, playback and configuration, up to 10 connections
	Video streaming functions	Dual recording for live and playback and dual stream for local recording and network transmission
	Monitoring software	PathFinder [™] easy end-to-end remote connection
Network functions		Live monitoring, remote playback and file backup
Remote system control		Remote system reboot, system management, notifications and remote PTZ control
Remote Time sync		Time synchronization to an NTP server (pool.ntp.org)
Remote system notifications		Notifications for system health, events and alarms
System recovery after power failure		Auto-reboot and journaling file system
Other function	Firmware upgrade	FTP, USB and CMS over Network
	Back-up	Local backup by USB, network backup by CMS Import and export settings, watermark and AVI file backup
	Special features	Snapshot Notify [™] : Interval camera image verification Event and push notifications via email, text and C3 [™] Digital Zoom in live and playback POS text-in based (USB to serial support, TCP/IP network)
	Mobile client	DW Mobile Plus app for Apple [®] and Android [®] devices DW Witness [™] turns a smartphone or tablet into a surveillance camera
Health check		Real-time system, network and PoE status monitoring
GENERAL		
Operating temperature and humidity		32-113 °F (0-45 °C) / 10-90% RH
Certification		CE, FCC, KCC, NDA, TAA
System	Power requirement	48V DC, 1.25A
	Power consumption	60W (recorder + PoE ports)
PoE	Max power per port	802.3at POE+ (Class4), up to 30W per port
	Total PoE power budget	48W
Dimension (W x D x H)		11.81" x 9.8" x 1.77" (300 x 249 x 45 mm)
Warranty		5 year limited



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Available Models

- DW-VG494P - no HDD.
- DW-VG492T4P - 2TB internal storage.
- DW-VG494T4P - 4TB internal storage.
- DW-VG496T4P - 6TB internal storage.
- DW-VG498T4P - 8TB internal storage.
- DW-VG4910T4P - 10TB internal storage.
- DW-VG49124P - 12TB internal storage.
- DW-VG4916T4P - 16TB internal storage.



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